

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
GpF3: Gilpin-----	0-3	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-95	75-90	70-85	65-80	20-55	4-15
	3-25	Silt loam, channery silty clay loam, very channery silty clay loam	CL, CL-ML, GC, SC	A-4, A-6, A-2	0	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	25-32	Channery loam, very channery silt loam, very channery silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-6	0	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---
Peabody-----	0-3	Silt loam	CL, CL-ML	A-4, A-6	0	0	95-100	95-100	85-100	70-90	25-35	5-14
	3-24	Channery silty clay, channery silty clay loam, clay	CH, CL	A-6, A-7	0	0	95-100	90-100	80-100	75-95	35-55	15-30
	24-28	Weathered bedrock			---	---	---	---	---	---	---	---
GvF: Gilpin-----	0-3	Silt loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	0-2	10-40	50-90	45-85	35-75	30-70	20-45	4-15
	3-25	Silt loam, very channery silty clay loam, channery silty clay loam	CL, CL-ML, GC-GM, SC	A-2, A-4, A-5	0	0-30	50-95	45-90	35-85	30-80	20-45	4-15
	25-32	Channery loam, very channery silt loam, very channery silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-5	0	0-35	25-55	20-50	15-45	15-40	20-45	4-15
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Pineville-----	0-3	Loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0-2	3-15	55-90	50-85	45-80	30-75	25-35	4-10
	3-56	Channery loam, channery clay loam, very channery clay loam	CL, CL-ML, SC, SC-SM, GC-GM	A-2, A-4, A-6	0	0-10	55-85	50-80	45-75	30-65	25-40	6-15
	56-65	Very channery loam, very channery clay loam, very channery sandy loam	GC-GM, GM, SC-SM	A-1, A-2, A- 4, A-6	0	5-20	35-75	30-70	25-65	20-60	25-55	4-12
Ha:												
Hackers-----	0-8	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	90-100	90-100	75-100	60-90	20-35	3-12
	8-50	Silt loam, clay loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	0	0	90-100	90-100	90-100	75-95	17-60	4-18
	50-65	Stratified fine sandy loam to silty clay loam	CL, ML, SC, SM	A-4, A-6	0	0	85-100	60-100	55-95	40-85	20-40	1-15
MoB:												
Monongahela-----	0-8	Silt loam	CL-ML, ML, SC-SM, SM	A-4	0	0-5	90-100	85-100	75-100	45-90	20-35	1-10
	8-23	Silt loam, clay loam, gravelly loam	CL, CL-ML, ML	A-4, A-6	0	0-15	90-100	80-100	75-100	70-90	20-55	5-15
	23-65	Silt loam, sandy clay loam, gravelly loam	CL, ML, SC, SM	A-4, A-6	0	0-10	80-100	60-100	55-95	45-95	20-40	3-15
Ms:												
Moshannon-----	0-10	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	95-100	90-100	70-95	22-40	3-15
	10-38	Silt loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	90-100	90-100	80-95	19-40	3-15
	38-65	Silt loam, clay loam, gravelly fine sandy loam	CL, CL-ML, ML, SC	A-4, A-6	0	0	80-100	70-100	55-100	35-80	14-40	3-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
PvE:	In				Pct	Pct					Pct	
Pineville-----	0-3	Loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0-2	3-15	55-90	50-85	45-80	30-75	25-35	4-10
	3-56	Channery loam, channery clay loam, very channery clay loam	CL, CL-ML, SC, SC-SM, GC-GM	A-2, A-4, A-6	0	0-10	55-85	50-80	45-75	30-65	25-40	6-15
	56-65	Very channery loam, very channery clay loam, very channery sandy loam	GC-GM, GM, SC-SM	A-1, A-2, A- 4, A-6	0	5-20	35-75	30-70	25-65	20-60	17-55	4-12
RpF3:												
Rock outcrop----	0-60	Bedrock			---	---	---	---	---	---	0-14	---
Peabody-----	0-3	Silt loam	CL, CL-ML	A-4, A-6	0	0	95-100	95-100	85-100	70-90	25-35	5-14
	3-24	Channery silty clay loam, channery silty clay, clay	CH, CL	A-6, A-7	0	0	95-100	90-100	80-100	75-95	35-55	15-30
	24-28	Weathered bedrock			---	---	---	---	---	---	---	---
Gilpin-----	0-3	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-95	75-90	70-85	65-80	20-55	4-15
	3-25	Channery silty clay loam, silt loam, very channery silty clay loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	0	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	25-32	Channery loam, very channery silt loam, very channery silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-6	0	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
Sc:	In				Pct	Pct					Pct	
Senecaville-----	0-5	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	90-100	85-100	75-100	60-90	20-35	3-12
	5-32	Silty clay loam, silt loam	CL, CL-ML, ML	A-4, A-6	0	0	90-100	90-100	85-100	75-95	17-55	4-18
	32-65	Silt loam, fine sandy loam, loam	CL, ML, SC, SM	A-4, A-6	0	0-5	90-100	70-100	65-95	45-90	20-40	1-15
Sm:												
Senecaville-----	0-5	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	90-100	85-100	75-100	60-90	20-35	3-12
	5-32	Silty clay loam, silt loam	CL, CL-ML, ML	A-4, A-6	0	0	90-100	90-100	85-100	75-95	17-55	4-18
	32-65	Silt loam, fine sandy loam, loam	CL, ML, SC, SM	A-4, A-6	0	0-5	90-100	70-100	65-95	45-90	20-40	1-15
Melvin-----	0-7	Silt loam	CL, CL-ML, ML	A-4	0	0	95-100	90-100	80-100	80-95	15-60	4-15
	7-24	Silt loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	90-100	80-100	80-98	17-60	5-20
	24-65	Silt loam, silty clay loam, loam	CL, CL-ML, ML	A-4, A-6	0	0	85-100	80-100	70-100	60-98	17-60	5-20
Ss:												
Sensabaugh-----	0-6	Silt loam	CL, CL-ML, ML	A-4	0	0-5	90-100	75-95	65-85	55-75	16-29	3-9
	6-29	Gravelly loam, very gravelly loam, gravelly silt loam	GC, SC-SM, GC-GM, CL, CL-ML	A-4, A-6	0	2-18	70-95	55-90	45-75	35-65	20-35	5-14
	29-65	Very gravelly loam, very gravelly clay loam, gravelly fine sandy loam	GC, GC-GM, SC, SC-SM	A-2, A-4, A-6	0	5-30	55-90	25-75	25-65	20-55	20-36	6-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
TsB: Tilsit-----	0-7	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	90-100	85-100	75-100	60-100	17-60	4-15
	7-21	Silt loam, silty clay loam, loam	CL, CL-ML, ML	A-4, A-6	0	0	90-100	85-100	75-100	65-100	17-60	5-20
	21-43	Very channery loam, silty clay loam, channery loam	CL, CL-ML, GC-GM	A-4, A-6, A-7	0	0	90-100	85-100	75-100	65-100	25-45	5-25
	43-47	Unweathered bedrock			---	---	---	---	---	---	---	---
Ud: Udorthents-----	---	---	---	---	---	---	---	---	---	---	---	---
UgC3: Upshur-----	0-6	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	95-100	85-100	65-90	17-60	5-15
	6-34	Silty clay, clay, channery clay	CH, CL, MH	A-7	0	0	95-100	95-100	90-100	85-100	45-75	20-40
	34-44	Very channery silty clay loam, very channery silty clay, very channery clay	CH, CL, MH, ML, GC	A-6, A-7	0	0	80-100	65-100	60-100	45-95	35-55	11-25
	44-48	Weathered bedrock			---	---	---	---	---	---	---	---
Gilpin-----	0-3	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-95	75-90	70-85	65-80	17-60	4-15
	3-25	Channery silty clay loam, silt loam, very channery silty clay loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	0	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	25-32	Channery loam, very channery silt loam, very channery silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-6	0	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
UgD3: Upshur-----	0-6	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	95-100	85-100	65-90	17-60	5-15
	6-34	Channery clay, silty clay, clay	CH, CL, MH	A-7	0	0	95-100	95-100	90-100	85-100	45-75	20-40
	34-44	Very channery silty clay loam, very channery silty clay, very channery clay	CH, CL, MH, ML, GC	A-6, A-7	0	0	80-100	65-100	60-100	45-95	35-55	11-25
	44-48	Weathered bedrock			---	---	---	---	---	---	---	---
Gilpin-----	0-3	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0-5	80-95	75-90	70-85	65-80	17-60	4-15
	3-25	Channery silty clay loam, silt loam, very channery silty clay loam	CL, CL-ML, GC, SC	A-2, A-4, A-6	0	0-30	50-95	45-90	35-85	30-80	20-40	4-15
	25-32	Channery loam, very channery silt loam, very channery silty clay loam	GC, GC-GM	A-1, A-2, A- 4, A-6	0	0-35	25-55	20-50	15-45	15-40	20-40	4-15
	32-36	Unweathered bedrock			---	---	---	---	---	---	---	---
UgE3: Upshur-----	0-6	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	95-100	95-100	85-100	65-90	17-60	5-15
	6-34	Channery clay, silty clay, clay	CH, CL, MH	A-7	0	0	95-100	95-100	90-100	85-100	45-80	20-40
	34-44	Very channery silty clay loam, very channery silty clay, very channery clay	CH, CL, MH, ML, GC	A-6, A-7	0	0	80-100	65-100	60-100	45-95	35-55	11-25
	44-48	Weathered bedrock			---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

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